

SOLUTIONS AND SOLUBILITY

IGCSE EDEXCEL CHEMISTRY

Lecture & Worksheet

SOLUTIONS AND SOLUBILITY

IGCSE CHEMISTRY

PART 1: PRINCIPLES OF CHEMISTRY

1. Understand how the results of experiments involving the dilution of coloured solutions and diffusion of gases can be explained.

2. Understand the meanings of the terms: solvent, solute, solution, and saturated solution.

3. Match the words to their definitions. (20)

Word	Definition
Solute	A substance dissolved.
Solvent	A liquid which dissolves a solute and forms a liquid.
Solution	A mixture where the dissolved part is a liquid.
Saturated	When a liquid has no more of a substance that can be dissolved in it.
Dilute	When a liquid has a small amount of a substance dissolved in it.
Concentrated	When a liquid has a large amount of a substance dissolved in it.
Diffusion	The movement of particles from an area of high concentration to an area of low concentration.

4. Write down the names of:

- 1. A solid that dissolves in water. (20)
- 2. A liquid that dissolves in water. (20)

5. Write down the names of:

- 1. A solid that dissolves in water. (20)
- 2. A liquid that dissolves in water. (20)

6. Write down the names of:

- 1. A solid that dissolves in water. (20)
- 2. A liquid that dissolves in water. (20)

7. Write down the names of:

- 1. A solid that dissolves in water. (20)
- 2. A liquid that dissolves in water. (20)

8. Write down the names of:

- 1. A solid that dissolves in water. (20)
- 2. A liquid that dissolves in water. (20)

9. Write down the names of:

- 1. A solid that dissolves in water. (20)
- 2. A liquid that dissolves in water. (20)

10. Write down the names of:

- 1. A solid that dissolves in water. (20)
- 2. A liquid that dissolves in water. (20)

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Specification Points

1.3 Understand how the results of experiments involving the dilution of coloured solutions and diffusion of gases can be explained.

1.4 Understand the meanings of the terms: solvent, solute, solution, and saturated solution.

FREQUENCY IN ASSESSMENT

LOW MEDIUM HIGH

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VM Jensen



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the technique involved in answering questions accurately The aim of this text is to help students learn how to answer questions in an exam environment It provides an insight into the mind of the examiner highlighting what makes a good answer how marks are allocated and what the most common mistakes are Questions are taken from past papers or newly written by the authors with revision summaries answers with full working and examiner s tips They are an ideal complement to A Level study guides

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